

# Lovibond® Colour Measurement Tintometer® Group

## AF509C for Marine Diesel Fuel Type F76

Kit for Visual Colour Grading of Type F76 Marine Diesel Fuels according to ASTM Colour



- Fast, Economical & Portable Visual Matching
- Two-Field Vision for Accurate Results
- Ability to Guarantee Constant Lighting Conditions

Part Number: 415090

### Quick, On-site Colour Measurement

This special kit enables you to quickly measure the colour of type F76 marine diesel fuels according to a limited range of the ASTM Colour Scale. It is designed to ensure that the correct fuel is used in motor vessels running with type F76 diesel, thereby avoiding errors in fuel use that can result in expensive corrective maintenance. The test is based on a direct colour match between the sample and a test disc containing ASTM Color standards, enabling you to accept or reject the diesel fuel in a matter of minutes.

### Easy Determination

The Lovibond® AF 509/C includes a test disc containing a limited range of ASTM Color standards (1 - 5 units as opposed to the full range of 0.5 - 8 units). This is sufficient for this purpose since type F76 fuel has a target colour of 3.5 ASTM Color and reduces the options for you to choose from.

### Fast, Economical & Portable Visual Matching

The Comparator 2000+ is a flexible, modular system for Visual Colour Grading. Using a suitable comparator instrument and glass disc, you can quickly visually match the sample directly against the calibrated, colour stable glass standards.

### Two-Field Vision for Accurate Results

Lovibond® comparator instruments include an integrated prism which causes the sample and comparison fields to overlap, allowing enhanced colour discrimination and matching. The prism is ultrasonically sealed to prevent contamination of the optics. Each individually graded glass standard represents a discrete step on the measurement range (as opposed to a continuous graduation), aiding colour discrimination and allowing great accuracy of results.

### Ability to Guarantee Constant Lighting Conditions

An optional item for the Comparator 2000+ is the Daylight 2000 Lighting Unit. This is a standardised light source which guarantees you a constant lighting condition for accurate colour grading. This is particularly useful when the sample is very pale in colour. By using a Lovibond® lighting unit, you can be confident of uniform lighting conditions for colour matching, 24 hours a day and irrespective of ambient lighting.

### Extended Shelf Life

The unique feature of Lovibond® test discs is that they incorporate coloured glass standards that are colour stable and not affected by UV light or extreme environmental conditions.

Please note, we cannot guarantee compatibility of discontinued Lovibond® Comparator 1000 disks with the Lovibond® 2000+ Comparator.

### Industry

Oil and Gas

### Application

Petroleum Oils and Waxes

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The Comparator 2000+ is an easy-to-use, entry level colour measurement system that compares the colour of the sample directly

against the colour of glass in a disc. All you need to do is rotate the disc to get the closest result to the scale.

## Technical Data

**Applicable Standard** ASTM D1500  
ASTM D6045  
ISO 2049

**Color Type** Transparent

**Portability** Portable

## Delivery Scope

- Sturdy Case Including
- 1 x Lovibond 2000+ Comparator
- 1 x 4/81 ASTM Diesel Fuel Disc  
Precalibrated to 1, 2, 3, 4.5, 4, 4.5, 5
- 2 x W680.0G.33mm Cell
- 1 x Kit Instructions



**SPHERA GROUP s.r.o.**  
**info@sphera-group.cz**  
**Tel: +420 226 886 248**  
**Průmyslová 7 Business Park**  
**102 00 Praha, Czech Republic**